



A Broadband Awareness Initiative from the [Iowa Communications Network](#)
Weekly Update: May 19, 2022

The ICN is Hiring! We are seeking candidates for the positions of Telecommunications Engineer, Telecommunications Specialist and Accounting Technician 2. Find details on our [careers](#) page.

Do you know a student interested in technology? Encourage them to [apply](#) to our Statewide Youth Broadband Advisory Council (SYBAC) for the 2022-23 school year.



Five K-12 Ed Tech Trends to Watch in 2022

The biggest trends in education are the technology solutions that empower teaching and learning. Discover which learning tools are quickly growing in popularity.

Source: EdTech: Focus on K-12

ED TECH TRENDS

Iowa Focus

[UI professor wins Harvard book award for studying internet access disparities](#)

The book examines disparities in internet access across communities in the U.S. and argues that broadband internet use in the population is a form of digital human capital used to benefit various communities.

Source: The Daily Iowan

[FCC Pole Attachments Proceeding Will Help Boost Connectivity Across America](#)

Former Lt. Gov. Patty Judge hopes the FCC will help eliminate barriers that stand in the way of swift broadband deployment, especially when it comes to accessing millions of utility poles that carry broadband into remote areas.

Source: Broadband Breakfast

Sector Focus

Government

[How the pandemic got Massachusetts texting](#)

Texting has advantages over other modes of communication with recipients of social-benefits programs, with nearly three-quarters of households with incomes below \$30,000 getting their only internet access through a smartphone.

Source: StateScoop

[Danville, Ill., Voters to Use Touchscreen Machines in Upcoming Election](#)

The newly purchased equipment will be used for the first time during the June 28 primary election.

Danville is one of the last cities in the state to adopt the technology, according to election officials.

Source: Government Technology

Healthcare

[Healthcare Internet Of Things Security Market Study Report Based on Opportunities, Industry Trends and Forecast to 2028](#)

IoT devices are providing patients more freedom...offer healthcare providers instant access to up-to-date information.

Source: Emergen Research

[Bill introduced that seeks to improve medical device cybersecurity](#)

A new bill will require manufacturers of medical devices to meet certain minimum standards for cybersecurity for the entire lifecycle of the products.

Source: HIPAA Journal

Education

[Using remote learning technology to boost student engagement and interaction](#)

As face-to-face teaching returns, educational technology can be used to boost student engagement in ways that are not possible in a physical classroom. Andreina Parisi-Amon explains how.

Source: Times Higher Education

[School Bus Wi-Fi Qualifies for Discounted Rate](#)

To help close the homework gap, FCC Chairwoman Jessica Rosenworcel proposed allowing use of federal E-Rate funding for Wi-Fi in school buses.

Source: Route Fifty

Public Safety

[New App Provides Patient Data to Hospital Before EMS Arrives](#)

The app allows EMS providers to quickly upload patient information, symptoms, vital readings and severity of ailment and transmit it to the emergency room.

Source: Government Technology

[First Responder Communication Proved Critical During Earthquake Response Exercise](#)

FirstNet utilized as an important tool during a disaster recovery and response training.

Source: AT&T

Cybersecurity

[Feds Warn of Insider Cybersecurity Threat to Health Care](#)

In a recent brief, negligent insiders account for 61 percent of insider threat incidents, while only 16 percent are from malicious insiders. The remaining 25 percent are connected to stolen credentials.

Source: Med Cloud Insider

[What Is Zero Trust? A Guide to the Cybersecurity Approach](#)

Zero trust contrasts with a "castle and moat" approach to cybersecurity thinking, and recognizes that use of remote workforces and cloud services means there's no longer a clear perimeter to defend.

Source: Government Technology

Digital Divide

[Broadband companies pledge to help low income families pay for high speed internet](#)

The bipartisan infrastructure law included \$65 billion to make sure we expand access to broadband internet in every region of the country - urban, suburban and rural, everywhere.

Source: Iowa Public Radio

[Biden administration to expand high-speed broadband access](#)

National Economic Council Deputy Director Bharat Ramamurti says this week's announcement

builds on a program to reduce the cost of broadband products by \$30 per month for rural areas.

Source: Iowa Agribusiness Radio Network

The Iowa Communications Network is a state-of-the-art fiber optic network providing high-speed Internet, data, voice, security, and consulting services to Iowa's healthcare, education, government, and public safety sectors.